COPY OF PAPERS ORIGINALLY FILED

Please type a plus sign (+) inside this box -

PTO/SB/8A (08-00)

Inder the Pa	nerwork Reduction Act of	1995. n	o parsons are required to respo	LLC Patent and Trad	lemark Office: U.S. DEPARTMENT OF COMMERCE unless it contains a valid OMB control number.
	itute for form 1449A		TAT & TRADE		Complete if Known
Subsu	·	110		Application Number	09/966,976
INF	ORMATION	N D	ISCLOSURE	Filing Date	September 27, 2001
STA	ATEMENT E	BY A	PPLICANT	First Named Inventor	Ferrick, David A.
				Group Art Unit	1646
	(use as many she	ets as	necessary)	Examiner Name	
Sheet	1	of	5	Attorney Docket Number	A-66038-4/RMS/JJD/DLR

				U.S. PATENT DOC	UMENTS	
Examiner	Cite No.1			Name of Patentee or Applicant	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant
Initials*		Number	Kind Code ² (if known)	of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear
#_	Al	5,804,387		Cormack et al.	09-08-1998	
1.	A2	5,958,707		de Vries et al.	09-1999	
V	A3	5,834,266		Crabtree et al.	11-1998	
:					-	0
						PECENTER 1000/12900
						BEOD
	<u> </u>					JAN 2 2 2 2 3 10900
	-					CNTER 1600163
						JECH OFWILL
				· · · · · · · · · · · · · · · · · · ·		10-
		<u> </u>			-	
· · · · · · · · · · · · · · · · · · ·						
		·				
			i .			
	1				1	

2				FOREIGN PATENT DOCUMEN	TS		
Examiner Initials*	Cite No.1	Foreig Office	n Patent Document Kind Code ² Number ⁴ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Té
1/10	Bl	wo	92/14836	GRATTEL et el.	09-1992		
IN	B2	wo	96/30515	SEIDEL et al.	10-1996		
1/	В3	wo	96/40721	Fu et al.	12-1996		
6	-B4	DE	41 26 414	Brock etal.	02-1993		
V	B5	wo	95/25812	Baumann et al.	09-1995		
7							
							14

	/	1		
Examiner Signature		7	Date Considered	1-14-04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 3 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 4 Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

COPY OF PAPERS ORIGINALLY FILED

Please type a plus sign (+) inside this box

PTO/SB/8B (08-00)

r use through 10/31/2002. OMB 0651-0031

Jnder the Pap	erwork Reduction Act of	1995, n	o because sie tednike	No respo	U.S. Patent and Trad	demark Office: U.S. DEPAR unless it contains a valid Office	TMENT OF COMMERCE	_
	tute for form 1449B		CMIS IN				accel/E	D
540501	idie for follin 1447B		•		Application Number	09/966,976	4F0F11	
INF	ORMATIO	ND	ISCLOSUI	RE	Filing Date	September 27, 2001	JAN 2 2 200	2
STA	TEMENT I	BY A	PPLICA	T	First Named Inventor	Ferrick, David A.	JAN 2 -	
~				-	Group Art Unit	1646	CUTER 160	D 5201
	(use as many sh	eets as	necessary)		Examiner Name		TECH CENTER 160	
Sheet	2	of	5		Attorney Docket Number	A-66038-4/RMS/JJD/	DLR	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
V	CI	ADAM, et al., "Signal Transduction through a Bimolecular Receptor Tyrosine Protein Kinase Composed of a Platelet-derived Growth Factor Receptor-CD4 Chimera and the Nonreceptor Tyrosine Protein Kinase Lck," J Biol Chem., 268(26):19882-19888 (1993)	
	C2	ALBRECHT, B., et al., "A bifunctional control element in the human IgE germline promoter involved in repression and IL-4 activation," <i>Int. Immunol.</i> 1994 Aug;6(8):1143-51	
	C3	ALLGOOD, et al., "Chimeric Receptors as Gene Switches," Curr Opin Biotechnol., 8(4):474-479 (1997)	
1	C4	AMARA, et al.,"A Versatile Synthetic Dimerizer for the Regulation of Protein-Protein Interactions," <i>Proc Natl Acad Sci U S A</i> , 94(20):10618-10623 (1997)	
1	C5	ANDERS, et al., "Chimeric Granulocyte/Macrophage Colony-stimulating Factor/Transforming Growth Factor-β (TGF-β) Receptors Define a Model System for Investigating the Role of Homomeric and Heteromenic Receptors in TGF-β Signaling," <i>J Biol Chem.</i> , 271(36):21758-21766 (1996)	
8	C6	BAZZONI, et al.,"Chimeric Turmor Necrosis Factor Receptors with Constitutive Signaling Activity," <i>Proc Natl Acad Sci US.</i> , 92(12):5380 (1995)	
V	C7	CHEN, et al., "Potentiation of Cytochrome P450/Cyclophosphamide-Based Cancer Gene Therapy By Coexpression of the P450 Reductase Gene," Cancer Res, 57(21):4830-4837 (Nov 1 1997)	
V	C8	CLAASSEN et al., "Mechanism of pokeweed mitogen inhibition of rhIL-4-induced human IgE synthesis," Cell Immunol. 140(2):357-69 (Apr 1992)	
1	C9	CORMACK et al., "FACS-optimized mutants of the green fluorescent protein (GFP)," Gene 173:33-38 (1996)	
Y	C10	DECLERCQ, et al., "Dimerization of Chimeric Erythropictin/75 kDa Tumour Necrosis Factor (TNF) Receptors Transduces TNF Signals: Necessity for the 75 kDa-TNF Receptor Transmembrane Domain," Cytokine, 7(7):701-709 (1995)	
· V	C11	DESAI, et al., "Ligand-Mediated Negative regulation of a Chimeric Transmembrane Receptor Tyrosine Phosphatase," Cell, 73(3):541-554 (1993)	
9	C12	EZERNIEKS, J. et al., "The Human IgE Germline Promoter i9s Regulated by Interleukin-4, Interleukin-13, Interferon-α and Interferon-γ Via an Interferon-γ-activated Site and its Flanking Regions," Eur. J. Biochem., 240:667-673 (1996)	
	C13	FERLIN, W. et al., "CD40 Signaling Induces Interleukin-4-Independent IgE Switching In Vivo," Eur. J. Immunol., 26:2911-2915 (1996)	
Vac	C14	FIERING, et al., "Single Cell Assay of a Transcription Factor Reveals a Threshold in Transcription Activated By Signals Emanating From the T-Cell Antigen Receptor," Genes Dev. 4:1823-1834 (Oct 1990)	
11/	C15	GAUCHAT JF, et al., "Regulation of human IgE synthesis: the role of CD4+ and CD8+ T-cells and the inhibitory effects of interferon-alpha," Eur Respir J Suppl. 13:31s-38s (Apr 1991)	
	C16	GAUCHAt et al., "Regulation of germ-line epsilon transcription and induction of epsilon switching in cloned EBV-transformed and malignant human B cell lines by cytokines and CD4+ T cells," <i>J Immunol.</i> 148(7):2291-9 (Apr 1992)	

Examiner Signature Date Considered 1-14-04	 	· · · · · · · · · · · · · · · · · · ·			
		M	Considered	1-14-04	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ¹ Applicant is to place a check mark here if English Language Translation is attached.

COPY OF PAPERSORIGINALLY FILE

Please type a plus sign (+) inside this box

PTO/SB/8B (08-00) through 10/31/2002. OMB 0651-0031

nder the Pap	erwork Reduction Act of	f 1995, n	o persons are required to respo	U.S. Patent and Trac	demark Office: U.S. DEPARTMENT unless it contains a valid OMB contri	OF COMMERCE	
	tute for form 1449B		M& T		Complete if Known		`
Duosa	idic for form 1447D	,, ,,		Application Number	09/966,976	-FIVE	المب
INF	ORMATIO	N DI	ISCLOSURE	Filing Date	September 27, 2001	<u> </u>	
STA	TEMENT I	BY A	APPLICANT	First Named Inventor	Ferrick, David A.	AM S S SULL	
			_	Group Art Unit	1646		⁷¹ 500
	(use as many sh	eets as	necessary)	Examiner Name		CENTER 104	J1=-
Sheet	3	of	5	Attorney Docket Number	1646 J A-66038-4/RMS/JJD/DFR/H	OFILE	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
1/	C17	GAUCHAt et al., "Structure and expression of germline epsilon transcripts in human B cells induced by interleukin 4 to switch to IgE production," <i>J Exp Med</i> 172(2):463-473 (Aug 1990)	
1	C18	GAUCHAT, J.F. et al., "Modulation of II-4 Induced Germline ∈ RNA Syntheses in Human B Cells by Tumor Necrosis Factor-α, anti-CD40 Monoclonal Antibodies or Transforming Growth Factor-β Correlates with Levels of IgE Production," International Immunology, 4(3):397-406 (1992)	
	C19	GERONDAKIS S., "Structure and expression of murine germ-line immunoglobulin epsilon heavy chain transcripts induced by interleukin 4," <i>Proc Natl Acad Sci U S A</i> , 87(4):1581-5 (Feb 1990)	
	C20	GONZALEZ-CUADRADO, et al., "Agonistic anti-Fas Antibodies Induce Glomerular Cell Apoptosis in Mice In Vivo," Kidney Int 51(6):1739-1746 (June 1997)	
J	C21	HARPER et al., "The p21 Cdk-Interacting Protein Cip 1 is a Potent Inhibitor of G1 Cyclin-Dependent Kinases," Cell, 75:805-816, (November 19, 1993)	
1	C22	HEIDARAN, et al., "Chimeric α- and β-Platelet- derived Growth Factor (PDGF) Receptors Define Three Immunoglobulin-like Domains of the α-PDGF Receptor that Determine PDGF-AA Binding Specificity," <i>J Biol Chem.</i> , 265(31):18741-18744 (1990)	*
Z	C23	ICHIKI, T., et al., "Regulation of the expression of human C epsilon germline transcript. Identification f a novel IL-4 responsive element." J. Immunol. 1993 Jun 15; 150(12):5408-17	
1	C24	JABARA et al., "Induction of germ-line and mature C epsilon transcripts in human B cells stimulated with rIL-4 and EBV," J Immunol. 145(10):3468-73 (Nov.1990)	
	C25	JARDIEU, "Anti-IgE Therapy," Current Op. Immunol., 7:779-782 (1995)	
	C26	KAWAGUCHI, et al., "Expression of Fas-estrogen Receptor Fusion Protein Induces Cell Death in pancreatic Cancer Cell Lines," Cancer Lett., 116:53-59 (1997)	
. /	C27	KIM, et al., "Construction of a Bifunctional mRNA in the Mouse By Using the Internal Ribosomal Entry Site of the Encephalomycarditis Virus," Molecular and Cellular Biology, 12(8):3636-3643 (Aug 1992)	
	C28	KRISHNAN, et al., 'Dimerization of a Chimeric CD4-interferon-α Receptor Reconstitutes the Signaling Events preceding STAT Phosphorylation," Oncogene, 13(1):125-133 (1996)	
1	C29	KUMAR, et al., "Human BCGF-12kD Functions as an Autocrine Growth Factor in Transformed B Cells," Eur Cytokine Netw 1(2):109 (1990)	
1	C30	LOH, R.K.S., et al., "Role of protein tyrosine kinases in CD40/interleukin-4-mediated isotype switching to IgE," J. Allergy Clin. Immunol. 1994 Vol. 94(4):784-792	
	C31	LOH, R.K.S., et al., "Mechanisms of inhibition of IgE synthesis by nedocromil sodium: Nedocromil sodium inhibits deletional switch recombination in human B cells," J. Allergy Clin. Immunol. 1996 Vol. 97(5):1141-1150	
	C32	LUO et al., "In vitro IgE production by interleukin 4-stimulated human peripheral blood mononuclear cells is suppressed by rapamycin," Clin Immunol Immunopathol 62(3):410-420 (Dec 1991)	
	C33	MARES, et al., "A Chimera Between platelet-Derived Growth Factor β-Receptor and Fibroblast Growth Factor Receptor-1 Stimulates Pancreatic β-Cell DNA Synthesis in the Presence of PDGF-BB," <i>Growth Factors</i> , 6(2):93-101 (1992)	

Examiner Signature		Date Considered	1-14-04	
	 ,			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English Language Translation is attached.

COPY OF PAPERS ORIGINALLY FILED

Please type a plus sign (+) inside this box $\rightarrow \Box$

PTO/SB/8B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Subst	itute for form	1449B/PTO			Complete if Known
Quose	itute for form	144701110		Application Number	09/966,976
INF	ORMA	TION D	ISCLOSURE	Filing Date	September 27, 2001
STA	ATEME	NT BY	APPLICANT	First Named Inventor	Ferrick, David A.
~				Group Art Unit	1646
	(use as n	any sheets as	necessary)	Examiner Name	
Sheet	5	of	5	Attorney Docket Number	A-66038-4/RMS/JJD/DLR

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published WANG, et al., "UCN-01: A Potent Abrogator of G2 Checkpoint Function in Cancer Cells with Dirupted p53," J Natl Cancer Inst, 88(14):956-965 (1996)							
1	C52								
	C53	XU et al., "Replacement of germ-line & promoter by gene targeting alters control of immunoglobulin heavy chain class switching," <i>Proc. Natl. Acad. Sci. USA</i> 90:3705-3709 (Apr 1993)							
•									
			_						

Examiner Signature	la .	Date Considered	1-14-04	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of his form with next communication to applicant.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English Language Translation is attached.